



# PREVENTION quarterly

**OhioEPA**

Office of

**Pollution Prevention**

SPRING 1996

## Six Ohio companies are recognized for outstanding pollution prevention efforts



**Governor George V. Voinovich and Ohio EPA Director Donald R. Schregardus congratulate representatives of Ethicon Endo-Surgery Inc. on receiving one of the six awards given this year.**

On December 6, 1995 Governor George V. Voinovich presented his annual awards for Outstanding Achievement in Pollution Prevention.

"The accomplishments of this year's recipients show that pollution prevention is good for the bottom line as well as for the environment," said Governor Voinovich. "The organizations being honored today

have clearly demonstrated that good environmental stewardship and economic growth can go hand in hand."

Recipients of this year's awards are: Ethicon Endo-Surgery Inc.; GE Aircraft Engines Evendale; GM Powertrain, Toledo Plant; Integrated Materials Management Office (IMMO) of the U.S. Air Force's

Wright Laboratory; The Regional Ozone Coalition, Hamilton County Department of Environmental Services; and Three C Body Shop Inc.

Criteria for selection of the Governor's Awards for Outstanding Achievement in Pollution Prevention include: the overall effort to reduce waste at the source, recycle or recover materials; efficiency and innovation; ability of the program to serve as a model for others; promotion of pollution prevention as the preferred long-term approach; and economic benefits.

Participants in the *Ohio Prevention First* initiative receive additional consideration, and their membership enhances their nomination. *Ohio Prevention First* is a voluntary planning initiative seeking a reduction in the amount of pollution generated throughout Ohio. This initiative provides an important opportunity for Ohio business and industry to take a leadership role in environmental protection without the need for additional regulatory mandates. GE Aircraft Engines and GM Powertrain are *Ohio Prevention First* participants.

The Governor's Awards have been coordinated by Ohio EPA for nine years to demonstrate how pollution prevention can be good for both the environment and business.



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# CURRENT ISSUES

## The Green Lights Program Case Study: University of Cincinnati

In the last issue, this column outlined the structure of the Green Lights Program and its potential economic and environmental benefits. This issue highlights these benefits through a study of one Ohio Green Lights participant: the University of Cincinnati.

The University of Cincinnati became a Green Lights Partner in April 1994, and already has completed university-wide retrofit of lighting fixtures in classrooms, lecture halls, and offices. University officials surveyed 3,984,531 square feet of lighted space, of which 2,890,974 square feet were retrofitted with energy-efficient upgrades.

The university invested \$1,569,683 to complete the upgrades, which reduced energy consumption by nearly 20 thousand kilowatt hours per year. This reduction in energy consumption is saving the university approximately \$940,000 annually in energy costs. Coupled with utility rebates over \$714,400, the university lighting upgrade project paid for itself in less than one year and saved 30 jobs.

In addition, these upgrades have drastically reduced pollution associated with energy production. Carbon dioxide emissions have been reduced by 50.9 million pounds per year; sulfur dioxides by

648,622 pounds per year; and nitrogen oxides by 218,286 pounds per year.

If your company would like to explore the potential economic and environmental benefits of Green Lights Program participation, please contact Craig Butler at (614) 728-1261 or U.S. EPA Energy Star Programs at (202) 775-6650.




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## New Pollution Prevention Documents

The Office of Pollution Prevention recently released several new technical documents. Three new fact sheets are designed to quickly give you current information. They are:

### ***Extending the Life of Aqueous Cleaning Solutions***

Cleaning with aqueous solutions may minimize some of the environmental impacts associated with chlorinated solvents, but it also may introduce new contamination into wastewater. This fact sheet addresses how to minimize this impact through operating changes and recycling.

### ***Financial Analysis of Pollution Prevention Projects***

Conventional cost accounting systems are not specifically designed to evaluate the economic attractiveness of pollution prevention projects. This fact sheet can help management look at the costs and savings associated with a pollution prevention project in a new light.

### ***Pollution Prevention for Marinas***

Find out how pollution prevention for marinas can not only help protect Ohio's waters but also lower operating costs and improve worker safety. This fact sheet also discusses pollution prevention components of federal and state nonpoint source pollution and storm water programs.

For a higher level of detail, order one of our pollution prevention information packets. Each packet contains nearly 100 pages of some of the best, most helpful and commonly referenced technical papers available, along with vendor lists. Information packets are available for the chemical manufacturing industry, parts cleaning, painting/coating, alternative metal finishes, metal finishing - metal recovery and water reuse, and metalworking fluids.

Call the Office of Pollution Prevention at (614) 644-3469 to order these free documents or to obtain a complete listing of all pollution prevention information available from Ohio EPA.

## Ohio EPA launches inspection pilot program

The Office of Pollution Prevention (OPP) has focused a considerable amount of effort trying to integrate pollution prevention into existing environmental programs. For example, the office is helping to coordinate multi-media pollution prevention (M2P2) inspections. In 1995, Ohio EPA initiated this year-long pilot project to demonstrate and analyze methods for conducting multi-media, pollution prevention oriented inspections.

Each of Ohio EPA's five district offices will complete four inspections using a team-based approach that simultaneously looks at regulatory issues affecting multiple environmental media (air, land and water). Representatives from OPP participate in the inspections and provide pollution prevention information. Usually, environmental inspections are focused on a single environmental medium. One of the preliminary goals is to increase the efficiency and effectiveness of environmental inspections. A single visit should be less burdensome for the facility and allow the facility and Ohio EPA to address multiple environmental concerns at one time.

After the inspection, Ohio EPA will write one letter to the facility summarizing compliance issues covering each program area, or one inspection report if no violations are found. The letter also will include pollution prevention options for the facility to consider as a means to return to compliance, reduce waste generation, and/or achieve environmental improvement beyond compliance.

Finally, facilities will be asked to complete a survey about their experience with the project. To date, most facilities inspected appear to favor the M2P2 approach. They particularly like being able to talk to several regulatory programs at the same time.

For more information on M2P2, contact **Anthony Sasson at (614) 644-2810 or Andrea Futrell at (614) 644-2813.**



## PIO Introduces Enviroprint

The Printing Industry of Ohio (PIO) has just released Enviroprint, a self-help guide to environmentally sound printing operations. It is designed to help printers chart their own way through the complicated maze of environmental requirements, while emphasizing pollution prevention as the preferred method for compliance and beyond. The guide helps printers identify and understand applicable regulations, determine what they have to do (and don't have to do), when and how to get professional help, how to document their efforts and accomplishments, how they can prevent pollution, and more.

The guide includes sections on environmental management; pollution prevention and waste reduction; air permitting and reporting in Ohio; hazardous waste management; water and wastewater; and emergency planning and community right to know. It also includes a glossary of all pertinent environmental terms; worksheets to help printers collect, organize and control the data needed to meet regulatory requirements; and appendices containing additional information.

Enviroprint is a joint effort of the PIO, the Ohio Air Quality and Development Authority and the Ohio Environmental Education Fund. In addition, these organizations have sponsored several seminars covering the information in the guide. For more information, contact **Bill Stickney at the Printing Industry of Ohio, (614) 794-2300.**

## Green and profitable teleconference

On May 17, 1996, Ohio EPA's Office of Pollution Prevention is planning to downlink a satellite teleconference geared toward the printing industry: **Green and Profitable Printing** produced by the University of Wisconsin in cooperation with the Graphics Arts Technical Foundation.

This national two-hour, industry-focused session will focus on pollution prevention options for small- to medium-sized lithographic print shops. Features will include compliance issues and video footage of printers' innovative waste reduction programs.

For more information, please contact **Kirk Nofzinger at (614) 644-2809.**

## Research P2 with TARP2

For those with access to the World Wide Web, Technical Assistance Resources for Pollution Prevention (TARP2) provides an extensive hypertext listing of Internet resources available for researching pollution prevention opportunities.

The more than 160 listings include Web sites for various federal and state government agencies, P2 research and information centers, and more.

TARP2 can be accessed through OPP's home page at <http://www.epa.ohio.gov/opp/oppmain.html> or directly at <http://www.epa.ohio.gov/opp/tarp/tarp.html>.



## Free technical assistance!

The Office of Pollution Prevention (OPP) provides **free, non-regulatory** technical assistance to Ohio businesses. As part of our **pollution prevention assessment** program, a team of experts from OPP will visit your facility and identify opportunities for your company to reduce wastes. By participating in the program, you will receive a detailed report including specific opportunities for your plant, and resources to assist you in implementing those opportunities. There is no obligation to implement any of the suggestions provided. However, companies who have participated in the assessment program and have implemented projects are enjoying some of the benefits of pollution prevention, such as reduced wastes and increased profits.

No company is too small to participate in the assessment program. In fact, OPP's assessment program is best suited to smaller companies who do not have a large environmental staff. This is simply because OPP can give a company the element of pollution prevention research that seems to be the hardest to find -- TIME. If you are interested in using OPP's assistance in becoming a more efficient operation, please call **Tom Maves at (614) 644-2807**.



George V. Voinovich, Governor  
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Donald R. Schregardus, Director

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